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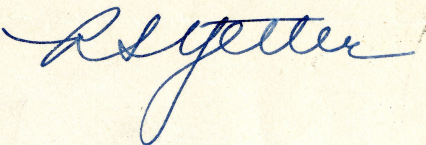
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The list price of FIELD BOOK OF COMMON ROCKS AND MINERALS by Loomis and FIELD BOOK OF INSECTS by Lutz is \$3.50 each, and they will be supplied at a discount of 10%, plus postage and insurance charges. For your information, we enclose a circular of our nature books which contains brief descriptions of the above mentioned books.

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With the first cost of engravings assumed by THE NATIONAL GEOGRAPHIC MAGAZINE, the 252-page volume with a total of 240 plate reproductions can be sold for the nominal charge of only \$2.50, prepaid in the United States and its Possessions. Elsewhere, 25c additional. Royal Octavo (7 x 10 in.), bound in durable cloth covers, gold-embossed. Standard binding is Tan Cloth. For those who wish to match other books in their Nature set, Mulberry Cloth binding is available. The edition in either binding is limited; place your order today for prompt delivery.

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1936

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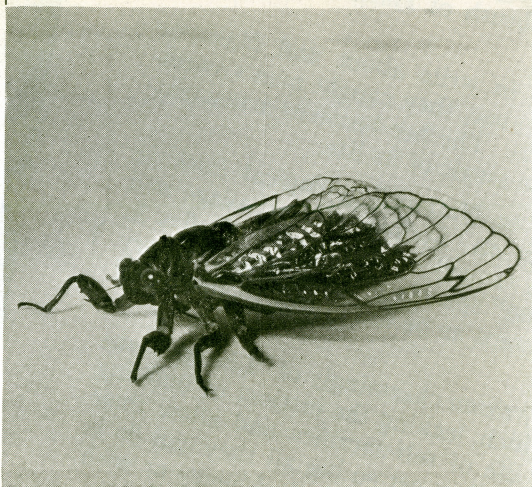
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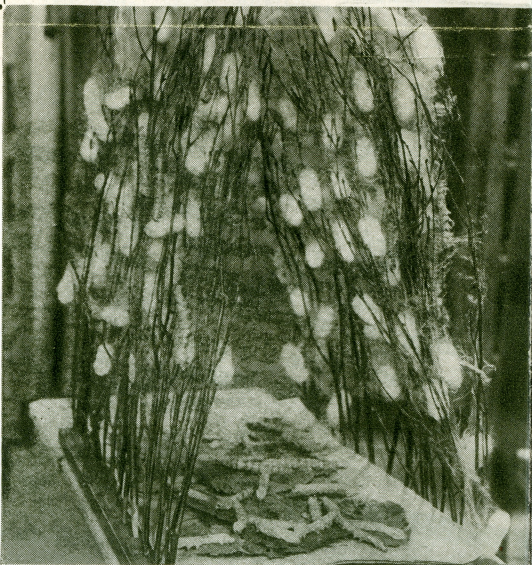
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Above: Magnified views of butterfly and moth eggs often reveal natural designs of striking beauty. Photograph courtesy U. S. Department of Agriculture. Below: One of Nature's astonishing creatures is the periodical cicada, often known as 17-year "locust."



Below: The beginning of a silk dress. Some silk-worms are feeding on mulberry leaves or climbing the brushwood of the spinning hut, while others are asleep in cocoons. Silk-worms and honeybees are the only domesticated insects. World Wide Photograph.



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about the

Life of
Bees

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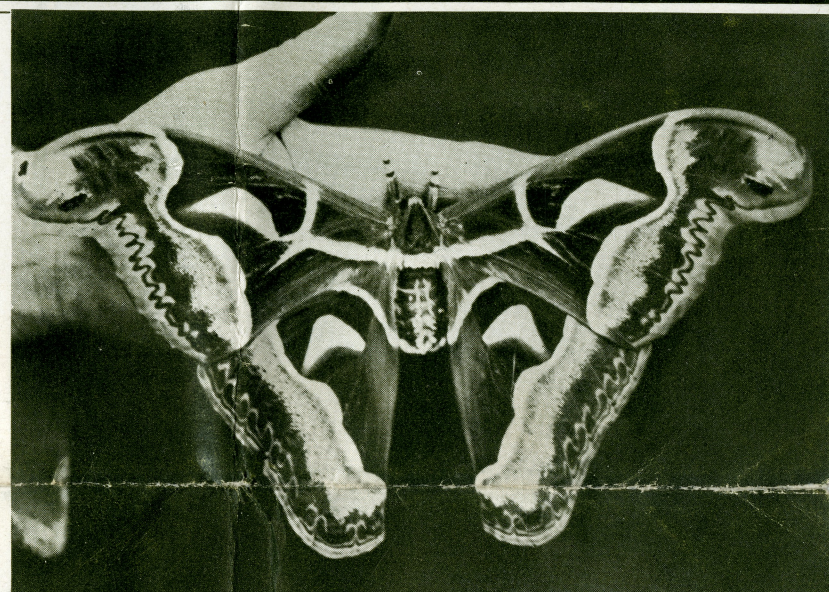
Butterflies

Moths

and

Spiders

Nine
Entertaining
Chapters
Written
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Outstanding
Naturalist
Authorities



Above: With 10-inch wing-spread the Atlas Moth is one of the largest of Lepidoptera. The small species have a wing-spread less than 1/8-inch. Photograph from Acme. Below: An enlarged view of the under side of a bumblebee, showing pollen—food for larvae in its nest—adhering to its hairs. As it passes from flower to flower some grains are left on the stigmas, fertilizing them. Photograph by Paul Griswold Howes.



An Ideal Gift—A Rich Addition to Your Own Library

More Than 500 Insects and Spiders in Natural Colors

For Homes, Schools, Libraries; for Students of Natural History; for Nature Lovers of All Ages



A cricket's golden castle—a pumpkin blossom. Photograph by Lynwood M. Chace.

"Our Insect Friends and Foes and Spiders"

A COMPOSITE work of eminent naturalists, "Our Insect Friends and Foes and Spiders" is published by the National Geographic Society as a superb addition to its series of educational Nature books. This volume is profusely illustrated with photographs, drawings, and 79 beautiful full-color plates enabling every person, young or old, to enjoy the fascination of its 252 informative pages depicting the life and habits of bees, ants, beetles, bugs, flies, butterflies, moths, and spiders.

To Nature lovers of all ages, the book is an ideal introduction to curious phenomena of the insect realm; while to students of entomology, apiculture, horticulture, and other branches of natural history, it is a reference source of authentic value. Concise "biographies" and **life-color reproductions of more than 500 insects and spiders** constitute a helpful guide to easy identification. Butterfly collectors will find this book indispensable, for many of the illustrations show various species of Lepidoptera, numbered and labeled, their iridescent hues portrayed with exact fidelity through natural-color cameras.

The intrinsic worth of this remarkably fine volume is not indicated by the low price of \$2.50, made possible because original plate costs have been borne by THE NATIONAL GEOGRAPHIC MAGAZINE and because The Society is an educational, scientific institution not organized for profit.

A Superb Study of Insect and Spider Life Without Counterpart in Literature

IN this volume the National Geographic Society presents collected articles and color pages on insects and spiders that have appeared in THE NATIONAL GEOGRAPHIC MAGAZINE during the past decade. Taken together these articles and their accompanying color illustrations represent a combined description of insect and spider life without counterpart in our literature.

The chapter "Exploring the Wonders of the Insect World" and its companion chapter "Insect Rivals of the Rainbow," by the late Dr. William Joseph Showalter of THE NATIONAL GEOGRAPHIC MAGAZINE staff, form a fitting introduction to insect life and the many strange quirks of nature it exhibits, and the 24 pages of natural color reproductions of insects from the camera of Edwin L. Wisherd and the brush of Hashime Murayama constitute magnificent studies.

When James I. Hambleton undertook to write about and Hashime Murayama to paint the habits of the honeybee, they caught man's sweet-making friend in its most delightful moods. The bee becomes a fascinating creature as writer and artist reveal the magic of its life.

Dr. William M. Mann, Director of the National Zoological Park in Washington, is the author of the chapter on "Stalking Ants, Savage and Civilized." Dr. Mann's activities have ranged from trapping giraffes in Tanganyika to searching for a "long lost" species of ant in Haiti. Every continent has felt the tread of his footsteps as he has added to zoological lore.

Jennie E. Harris, in Chapter V, has written charmingly of "Living Casks of Honey," those ants in Colorado, which, lacking the instinct of building container comb, deliberately elect a life of self-sacrifice and allow their fellows to gorge them with honey until they get so big all they can do is to hang up on the wall until their neighbors want a meal of honey or wish to store some additional nectar.

"Strange Habits of Familiar Moths and Butterflies" and "Where Our Moths and Butterflies Roam," by Dr. Showalter, constitute delightful studies of the ways of these colorful winged insects. The late Dr. Harrison G. Dyar, a devoted butterfly collector and member of the staff of the United States National Museum, made possible the 16 pages of color with these chapters.

In "Afield with the Spiders," which constitutes Chapter VIII, Dr. Henry E. Ewing, Entomologist of the United States Department of Agriculture, spins a most pleasing story about the various members of the spider clan. Indeed he matches in the artistry of his words and the facts spun together the gossamer webs the spiders weave. Set off by the art of Hashime Murayama in a series of color paintings, Dr. Ewing succeeds in making our introduction to the spiders an adventure in wonderland.

Lee Passmore, in Chapter IX, introduces us to the trapdoor spider and the engineering marvels wrought by the California branch of that family.



A harvest-fly and a katydid. Photograph by Lynwood M. Chace.

A Review from *Annals of the Entomological Society of America*

This lovely volume is a republication in solid linen binding of material which has appeared from time to time in article form in THE NATIONAL GEOGRAPHIC MAGAZINE. Whether a straight reprint or not, it does not matter and we cannot check, as our NATIONAL GEOGRAPHICS have been scattered from cellar to garret by the Editor's small son and daughter, not to mention the wife and maids. THE NATIONAL GEOGRAPHIC MAGAZINE is the most popular journal in our household. This volume on insects and spiders is a condensed and intensified publication of the same type. . . .

The many excellent colored drawings of the activities of insects are by Hashime Murayama. Besides these are the many colored plates of the most strikingly colored insects that could be found in the National Museum collections. The legends of the colored plates give the scientific names and references to any mention in the text.

Our best indication of the value of this remarkable volume is that every trained entomologist who has leaved through our copy has immediately taken out his pencil to note the title, price and place of publication. Also each appears to avoid looking one squarely in the eye when he states that he is getting a copy for a friend interested in insects. It is without question the finest popular work on insects of which we know. Every entomologist should have a copy in that first line of defense against the visitor who wishes to know about insects without the toil of chasing them with a net and running them through keys.—C.H.K.* March, 1936.

* Dr. Clarence H. Kennedy, *Managing Editor, Annals.*

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By ANN H. MORGAN. This book follows animal life through the winter. All kinds of creatures, large and small, appear here. It is a guide for all who are interested in animals, and for those who see winter life in their nearby fields or parks and dooryards. 527 pages, 8 colored plates and 283 illustrations. \$3.50

12. BIRDS OF THE OCEAN: A Handbook for Voyagers

By W. B. ALEXANDER. A convenient handbook for the identification of the various species of sea-birds likely to be met with on ocean voyages in any part of the world. All of the members of fourteen families of sea-birds are described. 461 pages with 140 illustrations from photographs and drawings. \$3.50

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By WILLARD AYRES ELIOT. A field book giving the distribution and habitat of the one hundred eighteen birds which are more or less common to all of the Pacific Coast states and British Columbia. All birds are illustrated in unusual color plates which show the males in full breeding plumage. 228 pages with 56 colored plates. Size 4½"x6¾" \$3.50

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15. THE BOOK OF BIRDS FOR YOUNG PEOPLE

By F. SCHUYLER MATHEWS. The text of this simple and sympathetic volume is written in narrative form. Birds are taken up for each month of the year—their music, their appearance, and habits. The understanding approach makes this book ideal for younger readers. 340 pages with 67 plates in color and 28 from drawings. Size 5¼"x8" \$3.00

16. FIELD BOOK OF COMMON FERNS

By HERBERT DURAND. This is the fern primer that will lead to wider knowledge and appreciation of the ferns among the uninformed. A useful pocket-sized handbook, it contains detailed, yet concise descriptions of 50 of the common and most conspicuous fern species of Eastern America. Suggestions for a fern herbarium are included. 219 pages with 52 illustrations from photographs and 60 line drawings. \$3.00

17. FIELD BOOK OF FRESH-WATER FISHES OF NORTH AMERICA

By RAYMOND SCHRENKEISEN. A comprehensive book on all fresh-water fishes to be found throughout North America. Excellent directions are given to the reader to enable him to understand technical descriptions of fishes and to identify readily any of our fresh-water fishes of importance. With the description of each species are included common names, habits, distribution and related forms. 432 pages with 1 colored plate and about 80 other illustrations. \$3.50

18. FIELD BOOK OF THE SHORE FISHES OF BERMUDA

By WILLIAM BEEBE and JOHN TEE-VAN. This study makes available a ready means of identification of the fishes of Bermuda. Under each species will be found common and technical names, field characters, color and size, diagnosis and distribution. The book also contains a brief history of fishes by Mr. Beebe and 10 pages of bibliography. 353 pages with over 300 illustrations from colored plates, photographs, drawings, including maps \$3.50

19. WILD FLOWERS AND FERNS IN THEIR HOMES AND IN OUR GARDENS

By HERBERT DURAND. This is the first book ever written devoted exclusively to the culture of our native plants. What to transplant, when to transplant, special care needed, species that thrive best, conditions most favorable for healthy growth, soils, sanctuaries for wild flowers and birds, rock, water and bog gardens; these are a few of the fascinating topics on which the author gives practical, first-hand, authoritative advice. 424 pages with 23 colored plates and 140 other illustrations from photographs. \$3.50

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By MARGARET ARMSTRONG, in collaboration with J. J. THORNER. The first popular and the only fully illustrated book on western flowers. Drawings in the book were made from life by the author. Technical botanical terms have been translated into ordinary English as the book is intended primarily for the layman. The scientist will, however, find it both interesting and useful as it contains a large number of plants never before illustrated. 616 pages with 48 colored plates and over 500 illustrations in black and white. \$3.50

22. THE BOOK OF WILD FLOWERS FOR YOUNG PEOPLE

By F. SCHUYLER MATHEWS. This beautiful book will instill into any child a real love of flowers. The flowers from April to October are described, especially as to color, habitat, and appearance, in simple and direct terms. The copious illustrations make it especially useful. Ages from 10 to 15. 416 pages with 32 colored plates and 174 other full page illustrations from drawings. Size 5¼"x8" \$3.00

23. A LOT OF INSECTS

By FRANK E. LUTZ. An informal but informing discussion of insects, telling many fascinating stories taken from a long life well devoted to the study of insects. It makes an ideal introduction to entomology, and perfect reading for lovers of science. Dr. Lutz is the author of the *Field Book of Insects* and is Curator of Insects at the American Museum of Natural History. 316 pages with 53 illustrations from photographs and 40 from drawings. Size 5¼"x8¼" \$3.00

24. FIELD BOOK OF NORTH AMERICAN MAMMALS

By H. E. ANTHONY. Written primarily for the layman, this book contains descriptions of every mammal known north of the Rio Grande, together with brief accounts of habits, common names, geographical ranges, etc. In addition to the many excellent illustrations, there are numerous distribution maps to aid in identifying a specimen correctly for any locality. 650 pages with 32 colored plates and over 200 other illustrations in black and white. \$5.00

25. A BEGINNER'S GUIDE TO THE STARS

By KELVIN MCKREADY. This Guide is intended to help beginners in their very earliest steps toward recognizing the stars and planets. The Guide is planned chiefly for naked-eye observing, but a few suggestions are given for the use of opera or field glasses. Tables of the planets cover to 1943. 86 pages with 28 charts and maps. Size 4½"x7" \$1.25

26. FIELD BOOK OF THE STARS

By WILLIAM TYLER OLCOTT. This book is intended to facilitate and popularize the fascinating recreation of star-gazing. All matter of a technical or theoretical nature has been omitted. Only what the reader can observe with the naked eye or with an opera glass is included. The constellations are those visible from the average latitude of the New England and Middle States. 176 pages with 50 diagrams. Revised Edition. Size 4⅞"x6¾" \$2.00

27. THE BOOK OF STARS FOR YOUNG PEOPLE

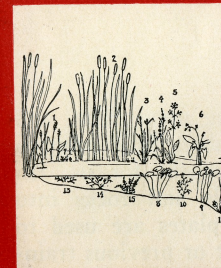
By WILLIAM TYLER OLCOTT. A simple handbook for older children which describes the positions of constellations throughout different seasons. Each description has a clear accompanying diagram, and is followed by some of the myths and legends associated with the constellations. 411 pages with numerous star pictures and 15 reproductions of famous paintings. Size 5¼"x8" \$3.00

28. FOREST TREES OF THE PACIFIC COAST

By WILLARD AYRES ELIOT. An account of the outstanding characters, distribution and habitat of the trees native to the Pacific Coast. The author has concentrated his efforts on showing by photographs and by brief descriptions those characteristics of each tree which distinguish it at sight from the other trees among which it grows. Excellent directions for using the book are given by the author and his descriptions emphasize such easily observed material as leaves and fruit. *Forest Trees of the Pacific Coast* is the most complete, accurate and scientifically sound volume available in the field. 565 pages with 268 illustrations from photographs. Size 5⅜"x8" \$5.00

29. TREES AND SHRUBS OF THE ROCKY MOUNTAIN REGION

By BURTON O. LONGYEAR. A field book, non-technical in character, providing a ready means of identifying the trees and shrubs of the Rocky Mountain Region. Planned to assist persons with little or no botanical training, it will also be found valuable by teachers, students, and forest officers and guides. Necessary technical terms are carefully and clearly explained. 261 pages with 128 drawings in black and white and 9 colored plates. \$3.50



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DONALD CULROSS PEATTIE, the famous American naturalist and author, writes of Putnam's famous FIELD BOOKS: "*What a man wants at the beginning of his Nature studies is a book bursting with satisfying illustrations, a volume possessed of that brevity which is the soul of good description, a format that will fit the pocket of the beloved and battered old tramping coat, and just a dash of personality on the author's part—something to lift it above the level of a directory of names and addresses.*"

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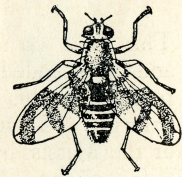
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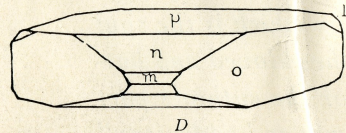
1. Field Book of Insects

Dr. Frank E. Lutz says that he once identified a certain burly bee his small daughter discovered in the garden as a *Bombus*. About a week later there were near-tears because a neighbor insisted that the *Bombus* was a Bumblebee! So Dr. Lutz decided to give wherever possible in his book both the scientific and the popular name for each insect. At least 15,000 species of insects can be found within a 50 mile radius of New York. Yet all principal families and commonly observed species of insects all over the United States and Canada are recorded and identified in this book. Much condensed information is included on the diverse habits of insects living in the air, water, on earth and in the ground. This has long been the standard book on insects. The new third edition is re-written and much new material included.

By FRANK E. LUTZ, Ph.D., Curator of Insects at the American Museum of Natural History. This is the third revised edition. 524 pages, with 24 plates in color and more than 800 illustrations in black and white. Index. \$3.50



2. Field Book of Common Rocks and Minerals



The whole world is made of rocks and minerals, every day we gaze unseeing upon them, and what most of us know of their properties and origins could be lost in a thimble. This comprehensive field book by the late Professor F. B. Loomis literally opens the world for us. An introductory chapter deals with the collecting and arrangement of minerals and rocks into systems. Each is identified, and their origin and meaning explained. Colored plates are used to portray minerals in which color is important, and drawings and photographs for the rest. No elaborate equipment or previous training is necessary to use this volume.

By FREDERIC BREWSTER LOOMIS, Ph.D., former Professor of Mineralogy and Geology at Amherst College. 370 pages, with 47 colored plates, and over 100 illustrations from photographs and drawings. Bibliography and index. \$3.50

3. Field Book of American Trees and Shrubs

The United States sports a wooded area nearly four-fifths the size of France. This is the home of countless trees and shrubs—each with its own typical shape and color, lovely or ugly, each with its own typical habitat and growth. It takes an artist as well as a botanist to do full justice to the multitudinous trees of America. F. Schuyler Mathews has not only identified and classified (the nomenclature is that of Engler and Prantle, and the names taken from the Vienna Code) all American trees and shrubs, but he has indicated forms and color such as an artistic Rambler would notice and appreciate. There are maps showing tree distribution and keys for identifying varieties by bark and leaf. The great problem of forest conservation is also discussed.

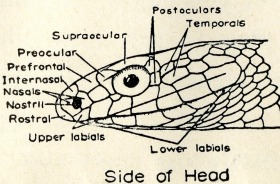


By F. SCHUYLER MATHEWS, Member of the New England Botanical Club. 556 pages, with 16 colored plates, 50 in crayon, and 128 full page black and white drawings by the author. 44 maps show distribution of trees and shrubs. Index. \$3.50

4. Field Book of Snakes of the United States and Canada

The authors of this book once offered \$1,000 to the person who could catch a snake with a tail sting, or one that rolled like a hoop. Thus a debate was settled. The snakes of the U. S. and Canada are here systematically described, classified, and identified. Collection and preservation, the varied habits and behavior of snakes, treatment of bite, etc., are covered. This is the only complete book on North American snakes available.

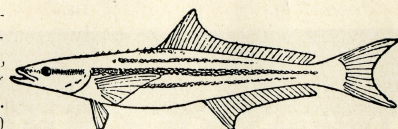
By KARL P. SCHMIDT, Chief Curator of Zoology at the Field Museum of Natural History and D. DWIGHT DAVIS, Curator of Anatomy at the Field Museum. 392 pages, with 4 colored plates and 103 drawings by Albert A. Enzenbacher, and 82 photographs from life. References and index. \$3.50



5. Field Book of Marine Fishes of the Atlantic Coast

From the cold boreal waters off the coast of Labrador to the tropical shore line of the Gulf of Mexico swim an amazing variety of fishes. All are here classified, their general range, habit, and prominent features described in a manner that makes it easy for angler and naturalist alike to identify each fish. The limits have been set at 25 fathoms to as far as brackish waters reach. This is a comprehensive guide to all fishes in this area.

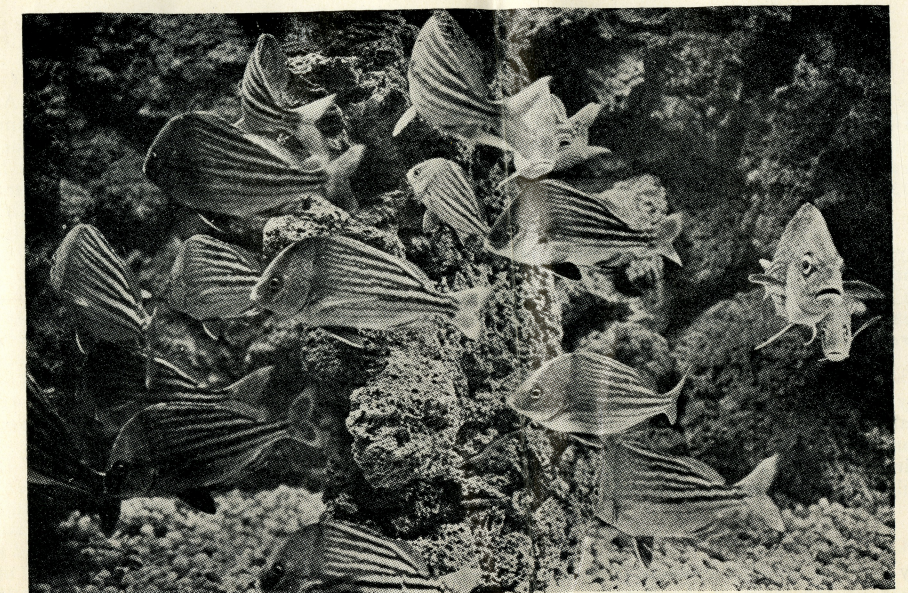
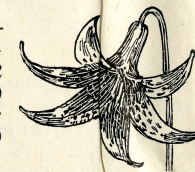
By CHARLES M. BREDER, JR., Research Associate at the New York Aquarium and American Museum of Natural History. 369 pages, with 8 colored plates and over 400 other illustrations from photographs and drawings. Glossary, bibliography, and index. \$3.50



6. Field Book of American Wild Flowers

This book came into being in the field itself—and is intended to go back there with its good reader. In this second new edition, revised and enlarged, 75 families of wild flowers extant east of the Mississippi are classified and identified and 700 varieties illustrated. Habitats, colors (a highly useful color chart is included), common and scientific names, etc. are discussed. With the use of the Color Key and the Key of Families it is possible for the layman to identify an unknown specimen in less than three minutes.

By F. SCHUYLER MATHEWS, Member of the New England Botanical Club. 624 pages, with 32 colored plates, and over 300 pages of line illustrations drawn by the author. Index. \$3.50



7. Field Book of Wild Birds and Their Music



"The spring comes slowly up this way," and with the spring, day or night, come back the songs of America's wild birds—the melodious Song Sparrow, the squalling Blue Jay, idle chatter, jesting songs, frivolity, mooning transcendentalism, and a host of other songs that mark the season. In this book more than 500 songs are set down on the musical scale (how to interpret them is carefully explained). All song birds east of the Rocky Mountains are treated, their habits, colorings, habitats, characteristics and music recorded. Six maps are shown giving the migration of birds. This is the perfect bird book for all regions east of the Rockies. "Easily the best guide to bird song. Both descriptions and notations have been successfully put to test in the field."

By F. SCHUYLER MATHEWS. 446 pages, with 52 colored plates, numerous illustrations in black and white, and about 500 musical notations by the author. Glossary and index. \$3.50

—American Library Association

8. Field Book of Ponds and Streams: An Introduction to the Life of Fresh Water

Some fine day take an hour off to visit a near-by stream or pond. At your approach suddenly minnows, frogs and brown water beetles will scurry and vanish. Little and large, soft and hard, weak and strong, creatures beneath the water will dart away. But linger quietly a moment, and the wonderful life of the fresh water creatures will again resume its steady tenor. It is a world no less fascinating and vital than the life we more commonly observe. This book is an open sesame to this world. Communities of water animals are revealed in their struggles, their habits, their competition for food and space. Plants, tiny animalcules, rotifers, algae, turtles, snakes, fishes, and countless other forms of life are described. Where and how to collect these creatures is told, together with the most effective methods of studying them.

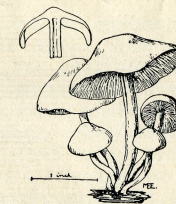
By ANN HAVEN MORGAN, Ph.D., Professor of Zoology at Mt. Holyoke College. 462 pages, with 8 colored plates, and over 300 other illustrations from photographs and drawings. Bibliography, glossary and index. \$3.50



9. Field Book of Common Mushrooms

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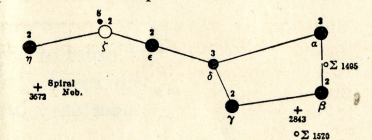
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